

## CSCI 361: Reading Assignment # 9

Your Name: \_\_\_\_\_

*Due: Tuesday, Oct 29, in class*

Assigned reading for this lecture:

- Sipser Third Edition Chap 4.2 (Undecidability)

### Questions:

1. Why is the recognizer for  $A_{TM}$  described on Page 202 not a decider?
2. What is the correspondence between the set of all infinite binary sequences and the set of all languages that is used in the proof of Corollary 4.18?